

# CHEMICAL ENGINEERING

BS | BS, 28+ COURSES

**PREPARING FOR YOUR FIRST JOB +  
THE FUTURE OF WORK**

## IN THIS MAJOR YOU'LL LEARN TO:

- Apply knowledge of mathematics, science, and engineering to identify, formulate, and solve engineering problems
- Design and conduct experiments, as well as to analyze and interpret data
- Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- Use the techniques, skills, and modern engineering tools necessary for engineering practice

*And so much more! Faculty and advisors are here to help you get the most out of your program and how it may apply to different career paths*

## TOP SKILLS EMPLOYERS WANT:

Teamwork  
Critical thinking  
Analyze + interpret data  
Adaptability + resiliency  
Written + verbal communication  
Ethical judgement + reasoning  
Problem-solving  
Intercultural fluency  
Creativity  
Leadership

*A lot of people said so: World Economic Forum, McKinsey Consulting future of work report, National Association of Colleges + Employers, UR College Competencies*

## WHERE CHEMICAL ENGINEERING MAJORS END UP

Healthcare  
Higher Education  
Management Consulting

Pharmaceuticals  
Internet & Software  
Electronic & Computer  
Hardware

Environmental Services  
Biotech & Life Sciences  
Aerospace

*Based on real UR student + alumni data!*

## WAYS TO TELL YOUR STORY:

*Resources to help you tell your UR story!*

- Your Greene Center advisor
- Resume + Handshake profile
- LinkedIn + Mel Collective profiles
- Practice interviews
- A flexible and evolving plan
- Talk to people! Friends, family, advisors, faculty, alumni... it will help you refine your story!

## HOW TO BUILD THESE SKILLS:

- Get an on-campus job
- Take a skill development course
- Pursue an internship
- Conduct research with a faculty member
- Volunteer in the community
- Get involved in student organizations
- Do a virtual project
- Be curious and try new things

*Not sure where to start?  
The Greene Center can help!*

